Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Thursday 28 Dec 2023 until 23:59 on Friday 29 Dec 2023

Forecast Issued on Wednesday 27 Dec 2023 at 16:15

Confidence: High confidence for unsettled conditions, lower confidence for detail towards the end of the week.

Headline for Thursday 28 Dec 2023: Gales at all levels. Storm force winds across summits Squally showers.

Mountain weather hazards on Thursday 28 Dec 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
Medium Likelihood

Gales
High Likelihood

Severe chill effect
Medium Likelihood

Poor visibility
Medium Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
Medium Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Heavy rain showers (night)	Light rain showers	Heavy rain showers (night)	Light rain showers	Heavy rain showers	Light rain showers	Light rain showers	Cloudy
Precipitation probability							
60%	40%	70%	60%	70%	30%	30%	20%

Forecast for Thursday 28 Dec 2023

Weather: A windy day with passing, squally showers of rain and hail and chance of sleet across highest summits. Showers heavy and may merge to longer spells of rain, especially in the morning. Bright or sunny spells most likely in the afternoon, with some clear spells through Thursday evening. Feeling colder than recently.

Chance of cloud-free hill tops above 600m: 80%. .

Low cloud and visibility: Scattered or broken bases around 500m in showers and any longer spells of rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Met Office Mountain Weather Forecast

Forecast for Thursday 28 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	38/51 SW	39/51 SW	28/38 SW	33/44 SW	35/47 SW	32/44 SW	31/43 SW	31/43 SW	31/44 SW
300	29/42 SW	29/42 SW	20/30 SW	24/36 SW	26/39 SW	25/37 SW	22/34 SW	23/35 SW	23/35 SW
Valley	18/40 SW	19/40 SW	11/27 SW	16/34 SW	17/37 SW	16/35 SW	15/33 SW	16/34 SW	16/34 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	3/-4	4/-4	4/-3	4/-3	4/-3	4/-2	4/-3	3/-4	2/-5
300	6/0	6/1	6/2	6/1	7/2	7/2	6/1	6/1	5/-0
Valley	6/2	7/2	6/3	7/3	7/3	8/4	7/3	6/2	6/1
Freezing Level*	1000m	1100m	1100m	1200m	1300m	1200m	1100m	1000m	900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions will be very hazardous at times, with water courses running higher than normal. Full protection advised.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Wed 27 Dec 2023	15.9mm	23.7mm	27.4mm

Forecast for Friday 29 Dec 2023

Weather: A little less windy during Friday with a few blustery showers, which could be rather heavy with chance of small hail. Showers may merge at times to longer spells of rain in the evening, with sleet increasingly likely towards summits. Some bright or sunny spells across the Park, most likely in the morning and first part of the afternoon. Feeling cold through the day.

Maximum wind: West or SW with gusts reaching around 50mph in the morning.

Chance of cloud-free hill tops above 600m: 80%.

Low cloud and visibility: Scattered or broken bases around 700m in showers and longer spells of evening rain

Temperature: **Valleys:** Plus 7 degrees Celsius becoming plus 4 degrees Celsius later.
At 600m: Plus 2 degrees Celsius becoming minus 1 degrees Celsius in the evening.
Freezing level: 700m becoming 500m late in the day.

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